

A NETWORK RESOURCE ASSIGNMENT SYSTEM AND METHOD

ABSTRACT OF THE INVENTION

The present invention is a system and method for facilitating efficient
5 assignment of networked resources. In one embodiment, a resource
assignment method is utilized to assist network resource assignment
operations. The resource assignment method establishes a resource model,
acquires an application model, and utilizes a mapping process to map said
application model onto said resource model. In one exemplary
10 implementation the resources are assigned to optimize the assignment of
resources with respect to application requirements and desired objectives
(e.g., minimization of the average communication delay inside a service
core). In one exemplary implementation, a mapping process of a resource
assignment method is utilized to map an application onto part of IDC
15 topology.